

Converting Colors

$Y_{xy}(45.7571, 0.2886, 0.3064)$

Have a look what the booklet for
Yxy(45.7571, 0.2886, 0.3064)
contains.

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Color

Yxy(45.9042, 0.2885, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	A8B6C7
RGB	168, 182, 199
RGB Percent	66%, 71%, 78%
CMY	0.3410, 0.2863, 0.2196
CMYK	0.16, 0.09, 0.00, 0.22
HSL	213°, 22%, 72%
HSV	213°, 16%, 78%
XYZ	43.1943, 45.9042, 60.6217
YIQ	179.7520, -13.8010, 2.3190

Conversions

Conversions Part 2

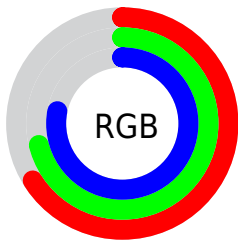
Format	Color
R _Y B	168, 178, 199
Decimal	11056839
CIE Lab	73.48, -1.29, -10.25
CIE LCh	73, 10.332, 262.828
Yxy	45.9042, 0.2885, 0.3066
Android (android.graphics.Color)	4289246919 (0xFFA8B6C7)
YUV	179.7520, 9.4893, -10.3065
Hunter-Lab	67.7526, -4.7682, -5.6229

Details

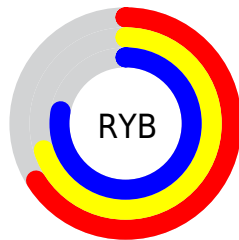
The Yxy color `45.9042, 0.2885, 0.3066` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `49.7020, 0.3384, 0.3504`, and the grayscale version is `45.4611, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.0570, 0.2930, 0.3116`, and `21.4579, 0.2821, 0.3002` is the 20% darker color. If you saturate the color by 10%, you get `39.5775, 0.2721, 0.2901`, and if you desaturate by 10%, it is `52.9193, 0.3043, 0.3215`.

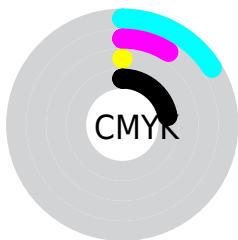
Distribution



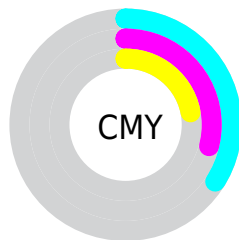
- Red (66%)
- Green (71%)
- Blue (78%)



- Red (66%)
- Yellow (70%)
- Blue (78%)



- Cyan (16%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9042, 0.2885, 0.3066 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.9042, 0.2885, 0.3066 by changing the saturation by 10% instead.

■ 45.9042, 0.2885,
0.3066

■ 45.9042, 0.2885,
0.3066

■ 370.4234, 0.3006,
0.3178

■ 32.1702, 0.2855,
0.3038

■ 84.0756, 0.2929,
0.3107

■ 21.4916, 0.2817,
0.3002

■ 109.2818, 0.2945,
0.3122

■ 13.4838, 0.2766,
0.2954

■ 139.0809, 0.2959,
0.3135

■ 7.7625, 0.2695,
0.2887

■ 173.8573, 0.2971,
0.3146

■ 3.9434, 0.2590,
0.2787

■ 213.9953, 0.2982,
0.3156

■ 1.6419, 0.2419,
0.2624

■ 259.8794, 0.2991,

■ 0.3856, 0.1794,

0.3164

0.2065

311.8940, 0.2999,
0.3172

0.0000, 0.0000,
0.0000

45.9042, 0.2885,
0.3066

45.9042, 0.2885,
0.3066

39.5775, 0.2721,
0.2901

52.9193, 0.3043,
0.3215

33.9103, 0.2554,
0.2720

60.6389, 0.3193,
0.3347

28.8801, 0.2388,
0.2525

69.0858, 0.3333,
0.3464

24.4604, 0.2228,
0.2319

78.2799, 0.3465,
0.3567

20.6228, 0.2079,
0.2106

85.7798, 0.3496,
0.3669

■ 17.3360, 0.1947,
0.1892

■ 92.3003, 0.3474,
0.3772

■ 14.5644, 0.1839,
0.1684

■ 96.9040, 0.3460,
0.3840

■ 12.2664, 0.1756,
0.1489

■ 11.3662, 0.1724,
0.1407

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.9042, 0.2848, 0.3147



45.9042, 0.2885, 0.3066



45.9042, 0.2986, 0.3045

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.9042, 0.2885, 0.3066



45.9042, 0.3376, 0.3302



45.9042, 0.3123, 0.3505

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.9042, 0.2885, 0.3066



49.7020, 0.3384, 0.3504

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.9042, 0.3266, 0.3545



45.9042, 0.2885, 0.3066



45.9042, 0.3414, 0.3423

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.9042, 0.2885, 0.3066



45.9042, 0.3270, 0.3180



45.9042, 0.3373, 0.3514



45.9042, 0.2984, 0.3403

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.9042, 0.2885, 0.3066



45.9042, 0.3077, 0.3067



45.9042, 0.3373, 0.3514



45.9042, 0.3172, 0.3527

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.9061, 0.2885, 0.3066



93.2698, 0.3050, 0.3221



52.6664, 0.2992, 0.3479



19.7666, 0.3039, 0.3211



0.0000, 0.0000, 0.0000



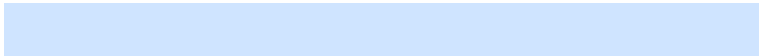
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.9061, 0.2885, 0.3066



76.1055, 0.2825, 0.3007



40.5940, 0.2886, 0.2878



11.0606, 0.2983, 0.3160



7.4778, 0.1731, 0.1432



0.4982, 0.1843, 0.1836

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.5458, 0.3292, 0.3115



71.2893, 0.3339, 0.3071



55.6831, 0.3350, 0.3673



10.7150, 0.3220, 0.3186



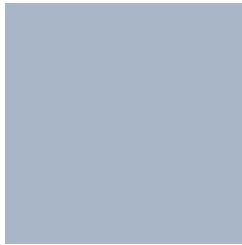
8.2949, 0.5149, 0.2610



0.4073, 0.4642, 0.2331

Previews

White Background



This preview shows how the Yxy color 45.9042, 0.2885, 0.3066 looks on a white background.

Color Contrast Check

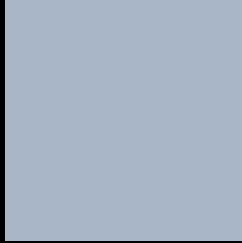
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.9042, 0.2885, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

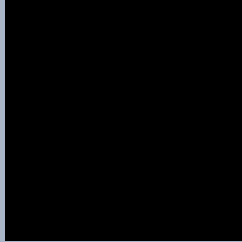
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

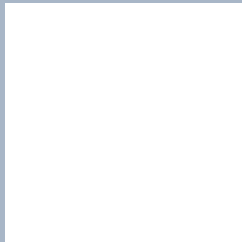
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9042, 0.2885, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 45.9042, 0.2885, 0.3066.



This preview shows how white text looks on a background with the Yxy color 45.9042, 0.2885, 0.3066.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.9042, 0.2885, 0.3066

Protanopia

45.8551, 0.2987, 0.3058

Deuteranopia

45.5214, 0.3039, 0.2975



Tritanopia

45.8119, 0.2899, 0.3092

Trichromacy



Original Color

45.9042, 0.2885, 0.3066

Protanomaly

45.8337, 0.2947, 0.3056

Deuteranomaly

45.8347, 0.2980, 0.3009

Tritanomaly

45.8579, 0.2892, 0.3079

Monochromacy



Original Color

45.9042, 0.2885, 0.3066

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.8657, 0.3038, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9042, 0.2885, 0.3066 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(168, 182, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 182, 199)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(168, 182, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 182, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.9042, 0.2885, 0.3066 is called "border". The border property can be set on classes, ids or directly on the HTML element.

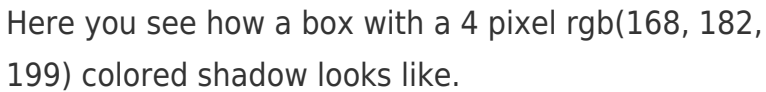
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 182, 199) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(168, 182, 199) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(168, 182, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 182, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 182, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 182,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9042, 0.2885, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 182, 199) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(168,  
182, 199) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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